<u>ش</u> 5 **∆** WHITE/BLACK CLIPPING PROCESSOR 9 121 114 SLICE PROCESSOR GAMMER PROCESSOR 107 ס GAIN 122 + + 124 m ഗ PROCESSOR 106 WHITE BALANCE HORIZONTAL EDGE SIGNAL GAIN CONTROLLER VERTICAL EDGE SIGNAL GAIN CONTROLLER COLOR CORRECTION PROCESSOR 105 HORIZONTAL EDGE SIGNAL GENERATOR VERTICAL EDGE SIGNAL GENERATOR 109 **115** വ  $\mathbf{\omega}$ 104 COLOR SEPARATION PROCESSOR 900 1 H DELAY LINE 1 H DELAY LINE Ω̈́ 35 116~ OB CLAMPING PROCESSOR 103 102 101 IMAGE SENSING ELEMENT

FIG.1 PRIOR ART

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## FIG.2 PRIOR ART

G	В	G	В	G	— GB LINE
R	G <sub>1</sub>	$R_2$	G <sub>3</sub>	R	GR LINE
G	B . 4	G <sub>5</sub>	В 6	G	GB LINE
R	G <sub>7</sub>	R <sub>8</sub>	G <sub>9</sub>	R	— GR LINE
G	B <sub>10</sub>	G 11	B 12	G	— GB LINE

FIG.3 PRIOR ART

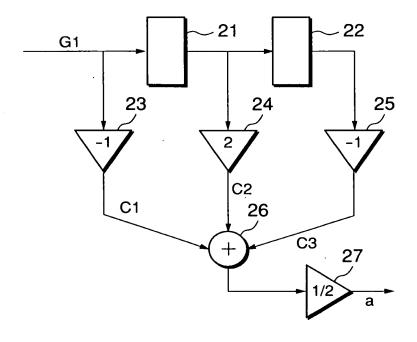


FIG.4 PRIOR ART

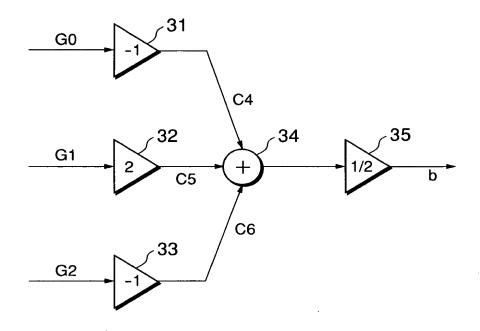


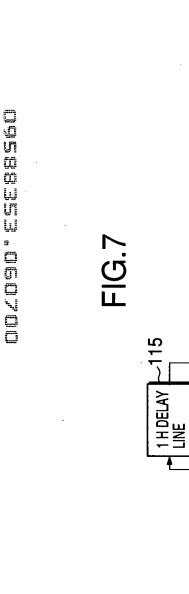
FIG.5 PRIOR ART

0	0	0	255	255
G	B	G	B	G
0	0 G	0	255	255
R		R	G	R
0	0	0	255	255
G	B	G	B	G
0	0	0	255	255
R	G	R	G	R
0	0	0	255	255
G	B	G	B	G

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## FIG.6 PRIOR ART

0	0	-128	-128	0
G	B	G	B	G
0	0	64	64	0
R	G	R	G	R
0	0 <sub>B</sub>	-128	-128	0
G		G	B	G
0	0	64	64	0
R	G	R	G	R
0	0	-128	-128	0
G	B	G	B	G



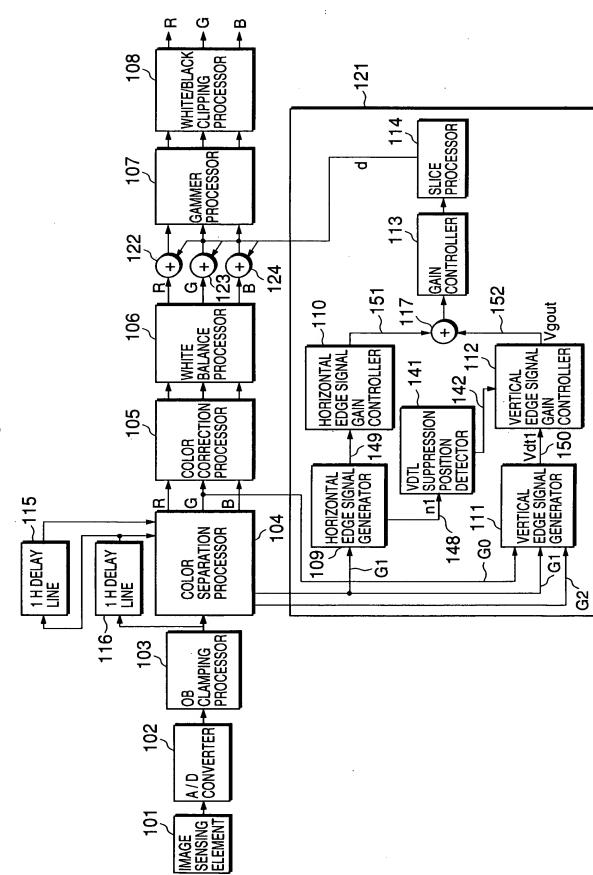


FIG.8

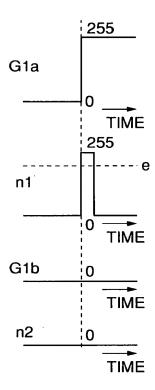


FIG.9

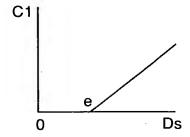


FIG.10

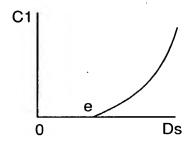


FIG.11

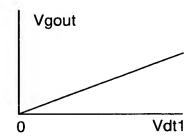


FIG.12

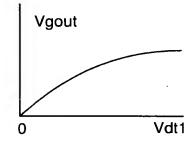


FIG.13

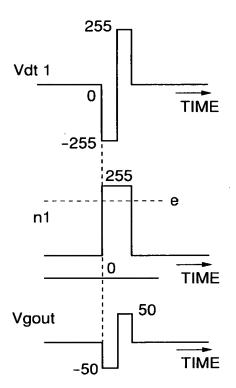
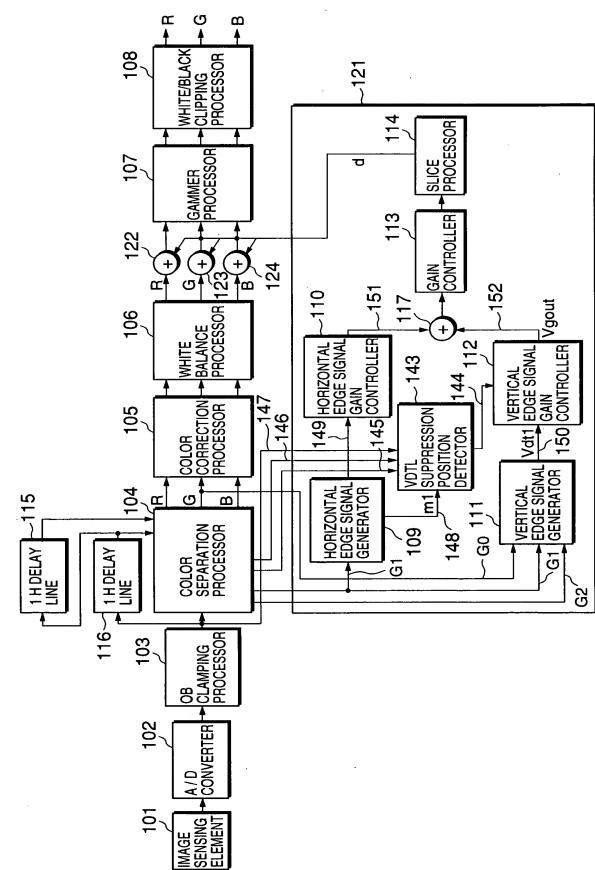


FIG.14



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FIG.15

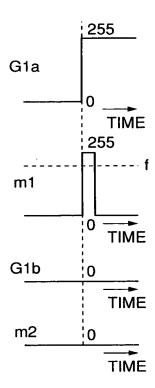


FIG.16

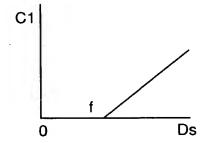


FIG.17

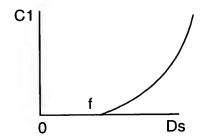


FIG.18

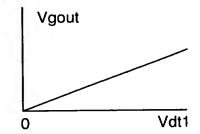
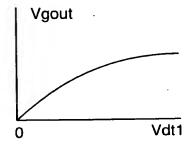


FIG.19



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FIG.20

